

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:754169 CAPLUS
 DN 128:82197
 ED Entered STN: 03 Dec 1997
 TI Ink-jet recording paper having polyacrylate cast-coated layer and its manufacture
 IN Arai, Yasuhiro; Noshima, Kazuhiro
 PA Oji Paper Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM B41M005-00
 ICS D21H019-36; D21H019-20
 CC 74-6 (Radiation Chemistry, Photochemistry, and Photographic and Other Reprographic Processes)
 Section cross-reference(s): 38

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09300810	A2	19971125	JP 1996-119934	19960515 <--
PRAI JP 1996-119934		19960515		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 09300810	ICM	B41M005-00
	ICS	D21H019-36; D21H019-20

AB The recording paper is manufactured by applying a (meth)acrylic polymer having an alkylamino group to form a cast-coated layer on a substrate having an undercoat layer containing a pigment and an adhesive, pressing the layer against the surface of a heated mirror-finished drum while the layer is wet, and drying it. The obtained paper is also claimed. The recording paper shows high surface glossiness and color-recording properties.

ST polyacrylate alkylamino ink jet paper; cast coated ink jet recording paper
 IT Coating process

(cast; ink-jet recording paper having cast-coated layer containing polyacrylate with alkylamino group)

IT Ink-jet recording sheets
 Ink-jet recording sheets
 (paper; ink-jet recording paper having cast-coated layer containing polyacrylate with alkylamino group)

IT Paper
 Paper
 (printing, ink-jet; ink-jet recording paper having cast-coated layer containing polyacrylate with alkylamino group)

IT 52858-80-7, Dimethylaminoethyl acrylate-styrene copolymer 200574-89-6,
 3-Dimethylaminopropylacrylate-styrene copolymer
 RL: DEV (Device component use); USES (Uses)
 (ink-jet recording paper having cast-coated layer containing polyacrylate with alkylamino group)

RN 52858-80-7
 RN 200574-89-6

L4 ANSWER 2 OF 3 WPIX COPYRIGHT 2004 THE THOMSON CORP on STN
 AN 1998-058112. [06] WPIX
 DNN N1998-046163 DNC C1998-020110
 TI Recording paper for ink-jet - comprises support bearing undercoat layer containing pigment and adhesive and layer containing (meth) acryl-type resin having alkylamino group on undercoat layer.
 DC A14 A97 G05 P75 T04
 PA (OJIP) OJI PAPER CO
 CYC 1

PI JP 09300810 A 19971125 (199806)* 6 B41M005-00 <--
ADT JP 09300810 A JP 1996-119934 19960515
PRAI JP 1996-119934 19960515

IC ICM B41M005-00
ICS D21H019-20; D21H019-36

AB JP 09300810 A UPAB: 19980209

Recording paper comprises a support bearing an undercoat layer, which contains pigment and adhesive, and a layer, which contains a (meth)acryl-type resin having alkylamino group, on the undercoat layer.

Also claimed is the process for forming the recording paper, in which the coating solution, which contains the (meth)acryl-type resin having alkylamino group, is coated on the support, which bears the undercoat layer containing pigment and adhesive, to form the coated layer for casting, and then the coated layer for casting is, while in wet state, made into contact with a hot mirror finished drum to dry up.

USE - The paper is suitable for recording with ink-jet.

ADVANTAGE - The paper provides the record having excellent gloss and excellent full-colour reproduction.

Dwg.0/0

FS CPI EPI GMPI

FA AB

MC CPI: A04-F01A1; A12-W07F; G05-F03

EPI: T04-G02E

L4 ANSWER 3 OF 3 JAPIO (C) 2004 JPO on STN

AN 1997-300810 JAPIO

TI INK JET RECORDING SHEET AND MANUFACTURE THEREOF

IN ARAI YASUHIRO; NOJIMA KAZUHIRO

PA OJI PAPER CO LTD

PI JP 09300810 A 19971125 Heisei

AI JP 1996-119934 (JP08119934 Heisei) 19960515

PRAI JP 1996-119934 19960515

SO PATENT ABSTRACTS OF JAPAN (CD-ROM), Unexamined Applications, Vol. 1997

IC ICM B41M005-00

ICS D21H019-36; D21H019-20

AB PROBLEM TO BE SOLVED: To provide a cast-coated paper and manufacture thereof which has improved ink-jet recording property and gloss and can provide a good full-color recording and in which high surface smoothness and high gloss, which are essentially provided in a cast-coated paper, can be maintained, and improved ink jet recording (printing) is provided.

SOLUTION: In this recording sheet, a layer containing a (meth)acrylic resin having an alkylamino group is formed on a supporting body on which an undercoat layer containing a pigment and an adhesive is provided. In this case, the alkylamino group is a 1-4C lower alkylamino group. And the layer containing the (meth)acrylic resin having an alkylamino group is a layer prepared by a method wherein a coated layer for cast is formed by being coated with a coating liquid and pressed against a heated mirror drum and finished by drying, and the (meth)acrylic resin having an alkylamino group has glass transition point not less than 40°C.

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